



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

ENGINEERING CHANGE REQUEST

ECR 67

Date Opened: 9/23/20 2:58 PM Type: Drawing/Pattern Change Priority: High Status: Under Review Reason: Windshield cracked in service, and it is believed to be due to the split design of the railing assembly P/N 647.3902. Investigate possibility of returning to a single piece design to eliminate the issue. Expense: 0 Target Date: Execution Date: ECR Approval No:	Requested By: Becker, Jacob Requester*: Black, Ross DE Approver*: Shepherd, David DM: Lee, Michael ECR Specialist: Bravo, Pablo ECR Lead*: Becker, Jacob
RE (R&D): Status Note:	**BRIEF DESCRIPTION**: 647.3900 C2, Deflectors, Windshield was cracked in flight. DESCRIPTION/ ADR CONTENT**: 647.3902 Wiper Deflector may be an issue for installation. Customer reported a cracked windshield due to the split added into the railing assembly back in 2013. Further evaluation needed to understand if this part can be manufactured as one piece or if other measures need to be taken.

CUSTOMER APPROVALS

Customer	Customer Visible	Customer Approval Required	*	Customer Approved
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ATTACHMENT PAGES

Document Name	Document Note
EMAIL--RE_ Bell 412 Cable Cutter_ Cracked windshield (Urgent).pdf	
B412 Window Deflector (002).jpg	

PARTS

Part No	Rev	Part Status	Name	Type	Customer Part	Special Comments	Documents
647.3903		On hold	Deflector Assembly	Sub-assembly	647.3903		
647.3915		On hold	Deflector	Sub-assembly			
647.3915E		On hold	Deflector	Sub-assembly			
647.3915P		On hold	Deflector (DIE#7B1894)	Sub-assembly			
647.3916		On hold	Deflector	Sub-assembly			

INVENTORY DISPOSITION

Part No Revision	Material No	Current Inventory Qty	Purchasing On-Order Qty	Qty Scheduled for Production
647.3903		2 Quarantine	0 *	0 *
647.3915		1 Quarantine	0 *	0 *
647.3915E		53 Quarantine	0 *	0 *
647.3915P		0 *	0 *	0 *
647.3916		8 Quarantine	0 *	0 *

EFFECTS

Effect Group	Effects
1. Quarantine?	Immediate quarantine required (quarantine all parts in stock for review.)
2. ECR Lead Assessment - Impacted Docs & Output	Drawing Change Required (647.3900 drawing needs to be evaluated to determine the best plan of action going forward.), Update/Create IIN (II412-101), Update/Create ICA (ICA412-101)
3. ECR Lead Assessment - Status During ECR	UR - Full Under Review
4. Production Type	In-house production
5A. ECR Lead Assessment - MINOR Changes	Minor change to component to improve fit or manufa